

REMARKS

Applicants submit the following amendments to fulfill the requirements of 37 C.F.R. §1.821-1.825. These amendments replace the Sequence Listing filed on June 6, 2003 with an amended substitute Sequence Listing, and amend references to sequence identifiers in the specification and in FIG. 11. No new matter has been added.

FIG. 2 depicts a duplex that includes two complementary strands. The description of FIG. 2 has been amended to indicate that these strands are SEQ ID NO:181 and 182.

FIG. 8 depicts a discontinuous nucleic acid sequence with a 5' and 3' region. As currently amended, the 5' region is labeled as SEQ ID NO:18 and the 3' region is labeled as SEQ ID NO:167. The amino acid sequence encoded by SEQ ID NO:18 is labeled as SEQ ID NO:19. The amino acid sequence encoded by SEQ ID NO:167 is labeled as SEQ ID NO:168.

FIG. 11 has been amended to refer to SEQ ID NOS:169-180 to distinguish them from the sequences at pages 47-50 of the specification. A substitute FIG. 11 containing amended sequence identifiers is filed herewith. A duplicate of the FIG. 11 is also attached.

Applicants note that, pursuant to MPEP 2422.02, the identifiers for sequences in FIG. 2 and FIG. 8 are presented in the Brief Description of the Drawings. MPEP 2422.02 ("when a sequence is presented in a drawing, . . . the sequence must still be included in the Sequence Listing and the sequence identifier must be used, either in the drawing or in the Brief Description of the Drawings.").

Support for the amendment to the paragraph beginning at page 62, line 20 can be found in the text of the original paragraph which indicates that the polypeptide sequence is encoded by the nucleic acid sequence. The originally displayed polypeptide sequence omitted the final "H" residue, but this "H" residues is encoded by the nucleic acid sequence and is disclosed in the original sequence listing (SEQ ID NO:125) filed with the application.

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If the prosecution of the application would be advanced by a telephone conference, the Examiner is kindly requested to call the undersigned at 617-542-5070.

Please apply any other charges or credits to deposit account 06-1050.

Respectfully submitted,

Date: 1/30/04



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